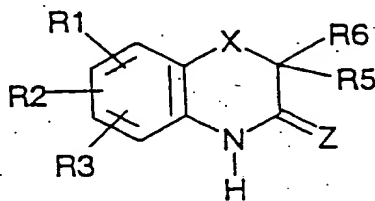
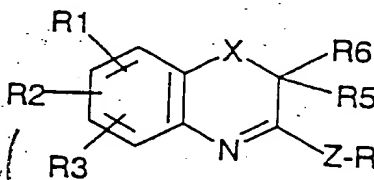


14. (Amended) Process for the production of a compound of formula I according to claim 1, characterized in that a compound of formula II or its salt



IIa or



IIb

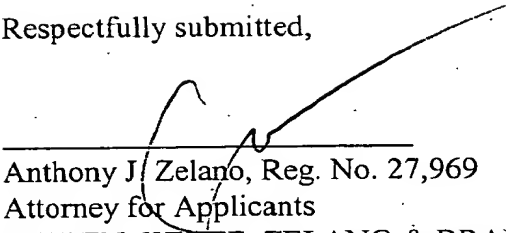
in which

R¹, R², R³, R⁵, R⁶ and X have the above-mentioned meaning, Z is oxygen or sulfur and R means C₁₋₆ alkyl, is reacted with ammonia or primary amines, whereby existing amino groups are optionally intermediately protected and optionally then acylated, the isomers are separated or the salts are formed.

REMARKS

The purpose of this Preliminary Amendment is to eliminate multiple dependent claims in order to avoid the additional fee. Applicants reserve the right to reintroduce claims to canceled combined subject matter.

Respectfully submitted,



Anthony J. Zelano, Reg. No. 27,969
Attorney for Applicants
MILLEN, WHITE, ZELANO & BRANIGAN, P.C.
Arlington Courthouse Plaza 1
2200 Clarendon Boulevard, Suite 1400
Arlington, VA 22201
Direct Dial: 703-812-5311
Facsimile: 703-243-6410
Email: zelano@mwzb.com

AJZ:jmm

10670" 96E/8/60

09/29/2010 09:00

09/29/2010 09:00

09/29/2010 09:00

09/29/2010 09:00

09/29/2010 09:00

09/29/2010 09:00

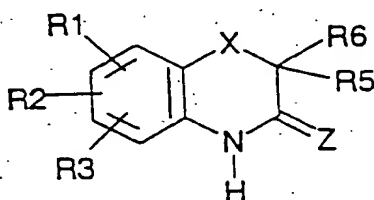
09/29/2010 09:00

09/29/2009 09:00

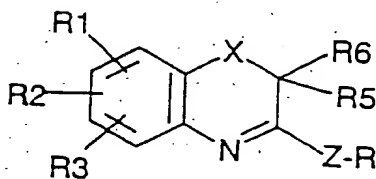
09/29/2010 09:00

09/29/2010 09:00

14. (Amended). Process for the production of a compound of formula I according to ~~claims 1-3~~ claim 1, characterized in that a compound of formula II or its salt



IIa or



IIb

in which

R¹, R², R³, R⁵, R⁶ and X have the above-mentioned meaning, Z is oxygen or sulfur and R means C₁₋₆ alkyl, is reacted with ammonia or primary amines, whereby existing amino groups are optionally intermediately protected and optionally then acylated, the isomers are separated or the salts are formed.

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION

International Office

INTERNATIONAL APPLICATION PUBLISHED ACCORDING TO THE PATENT
COOPERATION TREATY (PCT)

- (51) International patent classification⁷: C07D 265/36, 265/34,
279/16, 413/12, A61K 31/538 A1
- (11) International publication number: WO 00/17173
- (43) International publication date: March 30, 2000 (3/30/2000)
- (21) International file number: PCT/EP99/07089
- (22) International application date: September 16, 1999 (9/16/99)
- (30) Priority data: 198 44 291.2 September 18, 1998 (9/18/98) DE
- (71) Applicant (for all designated countries except the U.S.):
SCHERING AKTIENGESELLSCHAFT [DE/DE]; Müllerstrasse 178, D-
13353 Berlin (DE).
- (72) Inventors; and
- (75) Inventors/applicants (only for U.S.): HÖLSCHER, Peter
[DE/DE]; Rathenower Strasse 52, D-10559 Berlin (DE).
REHWINKEL, Hartmut [DE/DE]; Glasower Strasse 41, D-12051
Berlin (DE). JAROCH, Stefan [DE/DE]; Schlüterstrasse 65, D-
10625 Berlin (DE). SÜLZLE, Detlev [DE/DE]; Scheinerweg 4,
D-10589 Berlin (DE). HILLMANN, Margrit [DE/DE]; Grünlandweg
3A, D-13437 Berlin (DE). BURTON, Gerardine, Anne [GB/DE];
Seegefelder Weg 235, D-13591 Berlin (DE). McDONALD, Fiona,
Mcdougall [GB/DE]; Mohrunger Allee 6B, D-14055 Berlin (DE).
- (81) Designated countries: AE, AL, AM, AT, AU, AZ, BA, BB, BG,
BR, BY, CA, CH, CN, CR, CU, CZ, DK, DM, EE, ES, FI, GB, GD,

FILED "96/08/26"

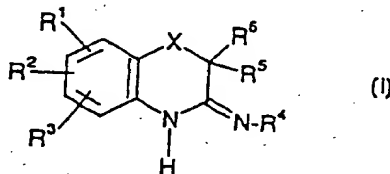
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO Patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

With international search report.

Before expiration of the time limit allowed for amendment of the claims. It will be republished if amendments are made.

(54) Title: BENZOXAZINE AND BENZOTHAZINE DERIVATIVES
AND THEIR USE IN PHARMACEUTICAL AGENTS



(57) Abstract

Compounds of Formula (I), their tautomeric and isomeric forms and salts, as well as the process for their production and their use in pharmaceutical agents are described.

FOR INFORMATION ONLY

Codes used for identifying PCT member countries on the head sheets of the publications of international applications according to the PCT.

AL Albania
AM Armenia
AT Austria
AU Australia
AZ Azerbaijan
BA Bosnia-Herzegovina
BB Barbados
BE Belgium
BF Burkina Faso
BG Bulgaria
BJ Benin
BR Brazil
BY Belarus
CA Canada
CF Central African Republic
CG Congo
CH Switzerland
CI Ivory Coast
CM Cameroon
CN China
CU Cuba
CZ The Czech Republic
DE Germany
DK Denmark
EE Estonia

ES Spain
FI Finland
FR France
GA Gabon
GB United Kingdom
GE Georgia
GH Ghana
GN Guinea
GR Greece
HU Hungary
IE Ireland
IL Israel
IS Iceland
IT Italy
JP Japan
KE Kenya
KG Kyrgyzstan
KP Democratic People's Republic of Korea
KR Republic of Korea
KZ Kazakhstan

REF ID: A66226

TELETYPE " 96E28260

LC	St. Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
MC	Monaco
MD	Republic of Moldova
MG	Madagascar
MK	the former Yugoslavian Republic of Macedonia
ML	Mali
MN	Mongolia
MR	Mauritania
MW	Malawi
MX	Mexico
NE	Niger
NL	The Netherlands
NO	Norway
NZ	New Zealand
PL	Poland
PT	Portugal
RO	Romania
RU	Russian Federation
SD	Sudan
SE	Sweden
SG	Singapore
SI	Slovenia
SK	Slovakian Republic
SN	Senegal
SZ	Swaziland
TD	Chad
TG	Togo
TJ	Tajikistan
TM	Turkmenistan
TR	Turkey
TT	Trinidad and Tobago
UA	The Ukraine
UG	Uganda
US	United States of America
UZ	Uzbekistan
VN	Vietnam
YU	Yugoslavia
ZW	Zimbabwe